



## **Molecular Basis of Disease**

Vol. 1315, 1996



## Cumulative Contents .

Information for Contributors	vii	Altered calcium homeostasis: a possible mechanism of aluminium-induced neurotoxicity	
Short sequence-papers		D. Julka and K.D. Gill (India) Derangement in aerobic and anaerobic energy	47
Molecular characterisation of the genomic locus of the mouse MRP8 gene  W. Nacken, M.P. Manitz and C. Sorg (Germany)  Cotranscription of two RNA coding for the cell adhesion regulator and its variant in Reh leukemia cells  A. Molla, L. Rouard-Talbot and M.R. Block (France)	1	metabolism in skeletal muscle of critically ill and recovering rats  O.E. Rooyackers, A.P. Gijsen, W.H.M. Saris, P.B. Soeters and A.J.M. Wagenmakers (The Netherlands)  Alterations in erythrocyte membrane fluidity and fatty acid composition in glycogen storage disease K. Keddad, P. Thérond, C. Motta, C. Baussan and A. Legrand (France)	55
Regular papers		Ageing is associated in females with a decline in the content and activity of the $b$ - $c_1$ complex in skeletal muscle mitochondria	
Arginine to tryptophan substitution in the active site of a human lactate dehydrogenase variant – LDHB*GUA1: postulated effects on subunit structure and catalysis  G.C. Shonnard, N.V. Hud and H.W. Mohrenweiser (USA)	9	D. Boffoli, S.C. Scacco, R. Vergari, M.T. Persio, G. Solarino, R. Laforgia and S. Papa (Italy)  Rapid report	66
Diallyl disulfide inhibits the proliferation of human tumor cells in culture		Modification of the extracellular matrix following myocardial infarction monitored by FTIR spectroscopy	
S.G. Sundaram and J.A. Milner (USA)  Protection against oxidative injury and permeability alteration in cultured alveolar epithelium by transferrin-catalase conjugate  Y. Rojanasakul, X. Shi, D. Deshpande, W.W. Liang	15	KZ. Liu, M. Jackson, M.G. Sowa, H. Ju, I.M.C. Dixon and H.H. Mantsch (Canada)  Regular papers	73
and L.Y. Wang (USA)  Identification and synthetic pathway of sialyl- Lewis*-containing neolacto-series gangliosides in lens tissues. 2. Enzymatic synthesis of sialyl- Lewis* gangliosides in monkey and rat lenses	21	Pyrene lipids as markers of peroxidative processes in different regions of low and high density lipoproteins  P. Viani, R. Cazzola, G. Cervato, P. Gatti and B. Cestaro (Italy)	78
<ul> <li>M. Ogiso, M. Komoto and M. Hoshi (Japan)</li> <li>Reduced carnitine palmitoyl transferase activity and altered acyl-trafficking in red blood cells from hemodialysis patients</li> <li>B. De los Reyes, R. Perez-García, A. Liras and J.</li> </ul>	29	Failure to withstand oxidative stress induced by phospholipid hydroperoxides as a possible cause of the lens opacities in systemic diseases and ageing	87
Arenas (Spain) Conformations of synthetic $\beta$ peptides in solid state and in aqueous solution: relation to toxicity in PC12 cells	37	<ul> <li>M.A. Babizhayev (Russia)</li> <li>Increased p53 mRNA expression in liver and kidney apoptosis</li> <li>M.C. Cummings (Australia)</li> <li>Specific inhibition of basic calcium phosphate and</li> </ul>	100
R. Buchet, E. Tavitian, D. Ristig, R. Swoboda, U. Stauss, H.U. Gremlich, L. De La Fournière, M. Staufenbiel, P. Frey and D.A. Lowe (Switzerland, France)	40	calcium pyrophosphate crystal-induction of metal- loproteinase synthesis by phosphocitrate H.S. Cheung, J.D. Sallis and J.A. Struve (USA, Australia)	105

Effect of artificial (CTG) repeat expansion on the expression of myotonin protein kinase (MtPK) in		Isolation of up- and down-regulated cDNAs associated with hepatocellular carcinoma by a subtrac-	
COS-1 cells N. Sasagawa, N. Saitoh, M. Shimokawa, H. Sori-		tion-enhanced display technique CG. Wu, T.B.M. Hakvoort, W.H. Lamers and	
machi, K. Maruyama, K. Arahata, S. Ishiura and		R.A.F.M. Chamuleau (The Netherlands)	169
<ul> <li>K. Suzuki (Japan)</li> <li>TGF-β isoforms fail to modulate inositol phosphates and cAMP in normal and tumour-derived human</li> </ul>	112	Glycation-induced inactivation of malate dehydro- genase protection by aspirin and a lens molecular chaperone, α-crystallin	176
oral keratinocytes A.J. Collier, K.A. Elsegood, W.A. Yeudall, I.C. Paterson, S.S. Prime and J.R. Sandy (UK, USA)	117	M.M. Heath, K.C. Rixon and J.J. Harding (UK) Human eosinophils lack human leukocyte elastase O. Wiedow, K. Muhle, V. Streit and Y. Kameyoshi	176
Variations of hepatic antioxidant systems and DNA	11,	(Germany)	185
ploidy in rats aged 2 to 8 months N. Sanz, C. Díez-Fernández and M. Cascales		The $\alpha/\beta$ - and $\alpha 2/\alpha 1$ -globin mRNA ratios in different forms of $\alpha$ -thalassemia	
(Spain) Security of Chinanin on NO and avugan	123	N.S. Smetanina, J.Y. Leonova, N. Levy and T.H.J. Huisman (USA)	188
Scavenging effect of Chinonin on NO and oxygen free radicals and its protective effect on the my- ocardium from the injury of ischemia-reperfusion		Increase of lipid peroxidation in rat liver microsomes by dehydroepiandrosterone feeding	100
BL. Zhao, JG. Shen, M. Li, Mf. Li, Q. Wan and WJ. Xin (China)	131	J. Swierczynski, P. Bannasch and D. Mayer (Germany)	193
Volume-sensitive chloride channels in the primary culture cells of human cervical carcinoma		Subunit specific monoclonal antibodies show different steady-state levels of various cytochrome-c	193
MR. Shen, SN. Wu and CY. Chou (Taiwan) Changes in arachidonic acid metabolism and the aggregation of polymorphonuclear leukocytes in	138	oxidase subunits in chronic progressive external ophthalmoplegia  JW. Taanman, M.D. Burton, M.F. Marusich,	
rats with streptozotocin-induced diabetes		N.G. Kennaway and R.A. Capaldi (USA)	199
Y. Nakagawa and E. Ishii (Japan)  Non-rhizomelic and rhizomelic chondrodysplasia punctata within a single complementation group	145	Abnormalities in hepatic fatty-acid metabolism in a surfactant/influenza B virus mouse model for acute encephalopathy	
A.M. Motley, H.F. Tabak, J.A.M. Smeitink, B.T. Poll-The, P.G. Barth and R.J.A. Wanders (The		M.G. Murphy, J.F.S. Crocker and H. Her (Canada)	208
Netherlands)	153	Effects of HMG-CoA reductase inhibitors on growth	200
Evidence for McKusick's hypothesis of deficient collagen cross-linking in patients with homo-		and differentiation of cultured rat skeletal muscle cells	
cystinuria B. Lubec, S. Fang-Kircher, T. Lubec, H.J. Blom and G.H.J. Boers (Austria, The Netherlands)	159	J.H. Veerkamp, J.W.A. Smit, A.A.G.M. Benders and A. Oosterhof (The Netherlands)	217
Five isoenzymes of protein kinase C are expressed in	13)		
normal and STZ-diabetic rat hepatocytes: effect of phorbol 12-myristate 13-acetate		Cumulative Contents, Vol. 1315	223
F. Croquet, A. Bréhier, S. Gil, J. Davy and J. Féger (France)	163	Author Index	225
reger (France)	103	Aumor muca	223